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The Gazette of India

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PUBLISHED BY AUTHORITY

22-9-86

सं० 33] नई दिल्ली, शनिवार, अगस्त 16, 1986 (श्रावण 25, 1908)
No. 33] NEW DELHI, SATURDAY, AUGUST 16, 1986 (SRAVANA 25, 1908)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचना और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 16th August 1986

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1—197 G1/86

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CORRIGENDUM

The 14th July, 1986

In the Gazette of India, Part III, Section 2 dated the 20th December, 1985 under the heading "PATENTS SEAL-ED" delete 154739.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

The 9th July, 1986

- 506/Cal/86. Grabher Indosa-Maschinenbau AG. Can, as well as a process and a diaphragm for the closing and sealing thereof.
- 507/Cal/86. Ethicon, Inc. Improved suture retainer for multi-strand sutures with single strand suture dispensing.
- 508/Cal/86. Hein. Lehmann AG. Sealing means for a screening machine.
- 509/Cal/86. Emory University. Biologically-active copolymers.
- 510/Cal/86. Colortech Inc. Method and apparatus for producing thermoplastic and products produced therefrom. (Convention dated 9th July, 1985) Canada.
- 511/Cal/86. Les Entreprises Triton Ltée. Plastic Seal.
- 512/Cal/86. Metallurgical & Engineering Consultants (India) Limited. Mass transport system.

The 10th July, 1986

- 513/Cal/86. Kraftwerk Union Aktiengesellschaft. A power plant including a gas turbine and a steam turbine.
- 514/Cal/86. Kraftwerk Union Aktiengesellschaft. A power plant including a gas turbine and a steam turbine.
- 515/Cal/86. Westinghouse Electric Corporation. Improvements in or relating to method for repairing a steam turbine or generator rotor.

The 11th July, 1986

- 516/Cal/86. Koninklijke Emballage Industrie Van Leer B.V. Device for the production of a tubular object.
- 517/Cal/86. Koninklijke Emballage Industrie Van Leer B.V. Process and device for connecting together by heated-tool butt-welding a vessel body obtained by extrusion and a vessel lid.
- 518/Cal/86. Trutzschler GmbH & Co. KG. Device for regulation or control as the case may be, of the feed roller of a flock feed device.
- 519/Cal/86. Dr. Med. Alfred Tischer. Surgical combination instrument, especially for tube sterilization.
- 520/Cal/86. Didier-Werke AG. Procedure to recondition fire proof plate used in sleeve locks.
- 521/Cal/86. Vsesoyuzny Nauchno-Issledovatel'sky Proektiro-Konstruktorsky i Tekhnologicheskyy Institut Elektromicheskogo Oborudovaniya (Vniieo). Plasma-induction furnace.
- 522/Cal/86. Hoechst Aktiengesellschaft. Process for the preparation of anionic surface-active compounds based on oxyalkylated naphthol novolacs. [Divisional date 5th February, 1982].

523/Cal/86. Y. S. Securities Limited. Fuse for an alternating current power circuit. (Convention dated 20th July, 1985) United Kingdom.

524/Cal/86. Y. S. Securities Limited. Circuit Breaker. (Convention dated 20th July, 1985) United Kingdom.

525/Cal/86. Mrs. Ibha Pal. Toy for children.

526/Cal/86. Hoechst Aktiengesellschaft. Water-soluble colored compounds, a process for their preparation and their use as dyestuffs.

527/Cal/86. Hitachi Construction Machinery Co., Ltd. Brake circuit apparatus for hydraulic motor.

528/Cal/86. Combustion Engineering, Inc. Supermill journal spring assembly.

529/Cal/86. M/s. Projects & Development India Limited. A process for the preparation of ammonium nitrate prills from by-product ammonium nitrate liquor obtained from chemical process industries particularly from nitrophosphate plant.

The 15th July, 1986

- 530/Cal/86. Metallgesellschaft Aktiengesellschaft. Process of applying an insulating layer.
- 531/Cal/86. Brown, Boveri & Cie AG. Ripple-control receiver.
- 532/Cal/86. Vetrotex Saint-Gobain. Method of and apparatus for simultaneously winding a plurality of separate threads onto a rotating support.

The 16th July, 1986

- 533/Cal/86. Vetco Offshore Industries, Inc. Side drive Drilling.
- 534/Cal/86. Siemens Aktiengesellschaft. A fuse and is especially applicable to a low-voltage, high-current safety fuse.
- 535/Cal/86. Les Entreprises Triton Ltée. Shackle type seal. (Convention dated 31st July, 1985) Canada.

APPLICATIONS FOR PATENT FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, 3RD FLOOR, KAROL BAGH, NEW DELHI-110 005

The 23rd June, 1986

545/Del/86. BP Chimicale Limited, "Process for the production of Isobutylbenzenes".

The 24th June, 1986

- 546/Del/86. Societe Chimique Des Charbonnages S.A. "Apparatus making it possible to effect accurately in line and continuously the weight feeding of granulated or pulverulent products".
- 547/Del/86. The Standard Oil Company, "Novel Rhodium Based Amorphous metal Alloys and use thereof as Halogen Electrodes".

548/Del/86. The Standard Oil Company, "Electrolysis of Halide-containing Solutions with Amorphous Metal Alloys".

549/Del/86. Sulzer Brothers Limited, "A Fossil-Fuel-Fired Vapour Producer".

550/Del/86. General Foods Corporation, "Extruded Quick-Cooking Rice-like product".

551/Del/86. Jitender Gupta, "Water Injector".

The 25th June, 1986

552/Del/86. Societe Chimique Des Charbonnages S.A. "Process of Producing Concentrated solutions of Ammonium Nitrate".

553/Del/86. Byung D Yim, "A speed change mechanism for Lever propelled Bicycle". [Divisional date 22nd 22nd November, 1983].

554/Del/86. Hovione Inter Ltd., "A process for the preparation of α -6-deoxytetracycline using new Rhodium-Containing Catalysts". (Convention date 5th April, 1983) (Canada). [Divisional date 16th December, 1983].

555/Del/86. Gen Corp Inc., "Adhesion of Brass Plated Steel to Rubber".

556/Del/86. The Standard Oil Company, "Process for the production of Multi-Metallic Amorphous Alloy coatings".

557/Del/86. Shell Internationale Research Maatschappij B.V., "Process for the anionic Polymerization of Monomers".

558/Del/86. Krupp-Polysius AG., "Method and apparatus for the crushing of Material for Comminution".

559/Del/86. Narender Kumar Goel and Chandra Prakash Gupta, "A DC self Excited Motor", [Divisional date 22nd November, 1983].

The 26th June, 1986

560/Del/86. Iqbal Singh Athwal, "Signal Processing method for monitoring rate of deposition and film thickness during film deposition by vacuum evaporation".

561/Del/86. Maschinenfabrik Wifag, "Apparatus for accurately metering a film of liquid on a rotating printing machine cylinder".

562/Del/86. M&T Chemicals Inc, "Process for forming adherent chromium Electrodeposits from a High Energy Efficient Bath".

563/Del/86. Kerr-McGee Chemical Corporation, "Particulate Manganese Dioxide Composites and a Method for their manufacture".

The 27th June, 1986

564/Del/86. Fosroc International Limited, "Pumpable Back-fill Material of High Strength". (Convention date 4th July, 1985) (U.K.).

The 30th June, 1986

565/Del/86. Ducellier Et Cie., "Internal combustion engine ignition distributor rotor".

566/Del/86. Sanden Corporation, "Scroll type compressor with variable displacement mechanism".

567/Del/86. Thiokol Corporation, "A process of developing essentially non-yellowing color print materials". [Divisional date 14th September, 1983].

568/Del/86. The Goodyear Tire & Rubber Company, "Process for the preparation of N-Tetrahydromorpholine".

569/Del/86. Council of Scientific and Industrial Research, "A process for the production of Kerosene from Light Olefins".

570/Del/86. Council of Scientific and Industrial Research, "Novel phenylhydrazono acetoacetamide derivatives as a potent wound healing agents".

571/Del/86. Council of Scientific and Industrial Research, "A new process for the Ethylation of morphine to ethyl morphine".

572/Del/86. Council of Scientific and Industrial Research, "An Insitu electropolymerisation process for the preparation of polphenylene oxide".

573/Del/86. Council of Scientific and Industrial Research, "An equipment for processing grains and extraction of oil from oil bearings seeds simultaneously".

APPLICATIONS FOR PATENT FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 24th June 1986

483/Mas/86. T. M. A. Iysammal, A. Azad and A. A. Kader. A composition for preventing salt efflorescence on buildings and structures and a method of preparing the same.

484/Mas/86. T. M. A. Iysammal, A. Azad and A. A. Kader. A composition for preventing salt efflorescence on new buildings and structures and a method of preparing the same.

485/Mas/86. Societe des Produits Nestle S.A. Particulate material treatment method and apparatus.

486/Mas/86. Politechnika Slaska im. A method of taking off furnace wastes to the destination and a system for taking off furnace wastes to the destination.

487/Mas/86. Societe d' Etudes Scientifiques et Industrielles de L'Ile-de-France. Novel benzamides, process for the preparation thereof and application thereof in the therapeutic field.

The 25th June, 1986

488/Mas/86. U. V. Nayak. A device to apply (Stick) adhesive tape to a surface.

The 26th June, 1986

489/Mas/86. Corning Glass Works. Fast fading photochromic glass.

490/Mas/86. Linde Aktiengesellschaft. Scrubbing of gas to recover hydrocarbons.

491/Mas/86. International Business Machines Corporation. Image conversion apparatus.

492/Mas/86. Shell Internationale Research Maatschappij B.V. Apparatus and process for solids-fluid separation (June 28, 1985; Great Britain).

493/Mas/86. Henkel Kommanditgesellschaft auf Aktien. A process for the production of mobiles pastes of washing-active alpha-sulfofatty acid ester salts of high solids content.

The 27th June, 1986

- 494/Mas/86. The South India Textile Research Association. A device for storage positive feeding of yarns at a pre-determined controlled rate to the knitting elements on a circular weft knitting machine.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 30th June, 1986

- 495/Mas/86. K. T. Thomas. Mosquito Destroyer.
496/Mas/86. Lucas Industries Public Limited Company. Wedge type brake actuator.
497/Mas/86. Hoechst Aktiengesellschaft. Process for purifying hydrogen chloride gas.
498/Mas/86. Anicon, Inc. A process for controlled temperature chemical vapor deposition. (Divisional to Patent Application No. 872/Cal/83).
499/Mas/86. Shell Internationale Research Maatschappij B.V. Catalytic conversion of gas or liquid in a multitube reactor (July 2, 1985; Great Britain).

The 1st July, 1986

- 500/Mas/86. A. Gnanasekaran. An improved wall ring assembly.
501/Mas/86. Stamicarbon B.V. Process for the preparation of granules and granules obtained by this process.
502/Mas/86. Stamicarbon B.V. Process for the preparation of urea.
503/Mas/86. Snampiogetti S.p.A. Process for the production of tertiary olefins by decomposition of alkyl-tert.alkyl-ethers.
504/Mas/86. Fives-Cail Babcock. Equipment for the loading of bags and bulk materials onto ships.
505/Mas/86. Stamicarbon B.V. Process for the preparation of urea.

The 2nd July, 1986

- 506/Mas/86. V. V. Thanga Thirupathy. Chain of horizontally-elongated-buckets-driving-canal power generation.
507/Mas/86. Dynamit Nobel Aktiengesellschaft. Filling arrangement.
508/Mas/86. The Dow Chemical Company. Mixed metal hydroxides for thickening water or hydrophylic fluids.
509/Mas/86. The Dow Chemical Company. Mixed metal layered hydroxide-clay adducts as thickeners for water and other hydrophylic fluids.
510/Mas/86. Portals Engineering Limited. Gathering machine. (July 3, 1985; United Kingdom).
511/Mas/86. Qualter Hall & Company Limited. Programmable logic controller system for hazardous environment. (July 5, 1985; Great Britain).

The 3rd July, 1986

- 512/Mas/86. Indian Telephone Industries Ltd. Ground plane on PC masters at low cost in just two steps.

- 513/Mas/86. Lucas Industries Public Limited Company. Improvements in self-energising disc brakes. (July 6, 1985; United Kingdom).

- 514/Mas/86. Lucas Industries Public Limited Company. Improvements in self-energising disc brakes. (July 6, 1985; United Kingdom).

- 515/Mas/86. Sun Chemical Corporation. Polymer emulsion containing an interpenetrating polymer network.

The 4th July, 1986

- 516/Mas/86. CMC Limited. Fast multiplier.
517/Mas/86. Keelglen Limited. A fitting.
518/Mas/86. Axel Krison. Enossal Implant.
519/Mas/86. Philip Morris Incorporated. Process for modifying the flavour characteristics of bright tobacco.
520/Mas/86. The Hepworth Iron Company Limited. Method and apparatus for the manufacture of composite articles, and articles made thereby. (July 5, 1985; Great Britain).

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS : 25 B & 90 I

157991

Int. Cl. : E 01 c 5/00 & C 03b 11/00.

A PROCESS FOR THE MANUFACTURE OF GLASS TILES.

Applicant : R & M COMPANY, AN INDIAN PROPRIETORSHIP FIRM OF 4635, AJMERI GATE, DELHI-110006, INDIA WHOSE PROPRIETOR IS RAVI RAJ GUPTA, INDIAN NATIONAL OF SAME ADDRESS.

Inventor : RAVI RAJ GUPTA.

Application and Provisional specification No. 205/Del/81 dated 9th April, 1981.

Application and Provisional specification No. 338/Del/81 dated 27th May, 1981.

The provisional specification cognated and one complete specification left on 8th June, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

15 Claims

A process for the manufacture of opaque or translucent glass tiles which comprises in crushing single or different glass separately or together to form a mixture of glass of a particle size not less than 10 mesh, compacting said crushed glass under pressure to form a shaped composite, subjecting the shaped composite to the step of heating it to temperature of the order of 800° to 900°C to allow a further compaction of at least 5% said compacted and shaped composite being heated to a temperature sufficient enough to cause a deformation of the edges of the tile and simultaneously polishing of said tile.

Provisional specification 5 pages.

Complete specification 14 pages.

CLASS : 80H & 32I

157992

Int. Cl. : C 08 f 1/88.

A PROCESS FOR THE PURIFICATION OF POLYMER CRACKED LIQUOR.

Applicant : SIR PADAMPAT RESEARCH CENTRE, A DIVISION OF J.K. SYNTHETICS LTD., JAYKAY-NAGAR, KOTA-324 003, RAJASTHAN STATE, INDIA, AN INDIAN RESEARCH CENTRE.

Inventor : KESHAV VINAYAK DATYE, HEMANT MANOHAR RAJE AND GULSHAN AHUJA.

Application for Patent No. 41/Del/1982 filed on 18th January, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

15 Claims

A process for the purification of cracked liquor obtained from depolymerisation of a polymer fibre waste comprising treating cracked liquor with a solvent as hereinbefore described, in which liquid impurities are preferentially soluble, while the depolymerised material is sparingly soluble.

Complete specification 13 pages.

CLASS : 68 D & E

157993

Int. Cl. : H02j 7/00, 3/00 G01r 21/06.

A SUPPLY CIRCUIT FOR ELECTRONIC APPARATUS AT A HIGH ELECTRIC POTENTIAL.

Applicant : ALSTHOM ATLANTIQUE, A FRENCH BODY CORPORATE OF 38, AVENUE KLEBER, 75794 PARIS CEDEX 16, FRANCE.

Inventors : PIERRE AUMONT & JEAN PIERRE DUPRAZ.

Application for Patent No. 237/Del/82 filed on 23rd March, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A power supply circuit for electronic apparatus at a high electric potential relative to the ground, said power supply circuit being characterised in that it comprises :

a generator at ground potential and delivering power for said electronic apparatus in the form of a high-frequency signal at an operating frequency;

a first high frequency transformer having a primary winding connected to output terminals of the generator and a secondary winding having one end for connection to a low potential relative the ground;

a second high frequency transformer having a secondary winding for connection the power supply input of said electronic apparatus and a primary winding having one end for connection to said high electric potential; and

a coupler circuit coupling the secondary winding of the first transformer to the primary winding of the second transformer at said operating frequency of said generator, said coupling circuit having two capacitors interconnecting respective pairs of the end of said secondary winding of first transformer and primary winding of the second transformer thereby providing galvanic isolation therebetween while transmitting power at said operating frequency.

Compl. specn. 8 pages.

Drg. 1 sheet.

CLASS : 104I

157994

Int. Cl. : C 08 c 17/00, 17/02, 11/00, 11/20 & C 08 d 13/00 & 13/22.

A PROCESS FOR MASTICATING RUBBER.

Applicant : BAYER AKTIENGESSELLSCHAFT, A BODY CORPORATE ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF 5090 LEVERKUSEN, BAYERWERK, FEDERAL REPUBLIC OF GERMANY.

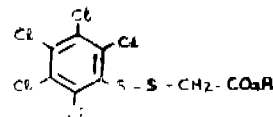
Inventor : RUDIGER SCHUBART, HERMANN FRIES AND ERICH ESCH.

Application for Patent No. 297/Del/1982 filed on 13th April, 1982.

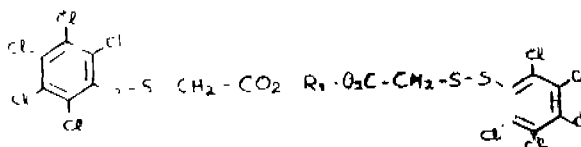
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

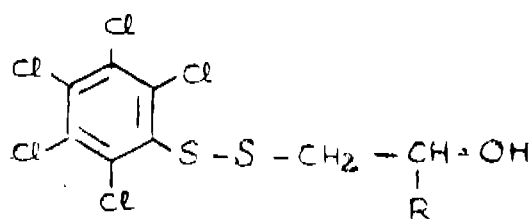
A process for masticating rubber, which comprises adding a compound corresponding to one of the following general formulae I to V :



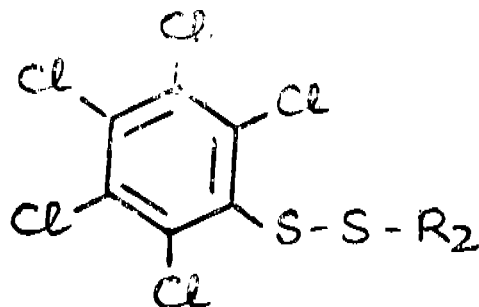
Formula I



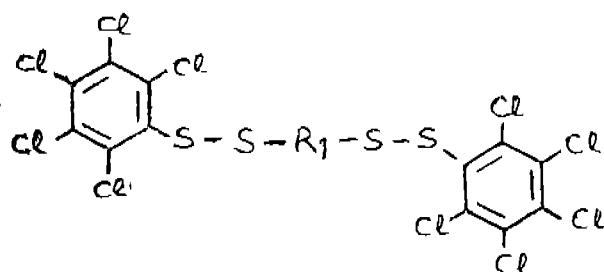
Formula II



Formula III



Formula IV



Formula V

wherein

R represents a straight-chain, branched or cyclic C_1 - C_{10} alkyl radical which may be substituted by hydroxy or by a C_1 - CC_4 alkoxy group, or represents a C_6 - C_{10} aryl group, a C_1 - C_4 alkyl- C_6 - C_{10} aryl group or hydrogen,

R_1 represents a linear or branched C_1 - C_{10} alkylene radical, at least one oxygen or sulphur atom optionally being contained in the carbon chain of R_1 or of R when R represents alkyl, and

R_2 has the same meaning as R or represents a C_1 - C_{10} acyl radical,

as a masticating agent to natural and/or synthetic rubber latex or to the corresponding solid rubber.

Complete specn. 11 pages.

Drg. 1 sheet.

CLASS : 32A₁.

157995

Int. Cl. : C09 b 51/00.

A PROCESS FOR THE PRODUCTION OF 1 : 2-CHROMIUM COMPLEX DYESTUFFS.

Applicant : BAYER AKTIENGESellschaft, A GERMAN COMPANY OF 5090 LEVERKUSEN, BAYER-WERK, WEST GERMANY.

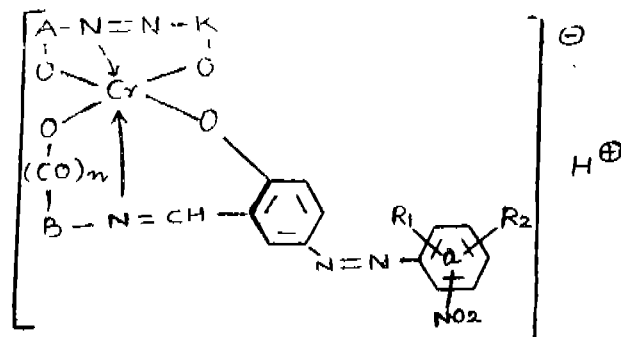
Inventor : WINFRIED MENNICKE.

Application for Patent No. 325/Del/1982 filed on 27th April, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

Process for the production of 1 : 2-chromium complex dyestuffs of the Formula I



Formula I

showing the accompanying drawings wherein :

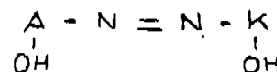
A denotes a vicinal bivalent benzene or naphthalene radical,

K denotes the radical of a 1- or 2-naphthol to be coupled to the o-position relative to OH,

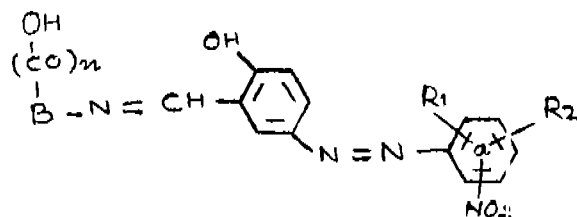
B denotes a vicinal bivalent benzene radical,

R^1 and R^2 denote hydrogen, SO_3H , $COOH$, sulphonamide, carbonamide, alkyl trifluoromethyl, alkoxy, alkylsulphonyl, NH_2 , NO_2 , Cl or Br and n denotes 0 or 1, and

the nitro group of the ring a is in the o-or p-position relative to the azo group characterised in that the 1 : 1-chromium complex of a dyestuff of the Formulae IV and V



Formula IV



Formula V

respectively is reacted with a non-metallized dyestuff of the Formula V and IV respectively.

Compl. specn. 16 pages.

Drg. 15 sheets.

157996

Inventor : SIDDHARTHA CHATTERJEE.

CLASS : 144 E₂

Int. Cl. : C 22C 39/12.

A METHOD OF PRODUCING AN AQUEOUS MAGNESIA SLURRY.

Applicant : ARMCO INC., A CORPORATION OF THE STATE OF OHIO, U.S.A., OF 703 CURTIS STREET, MIDDLETOWN, OHIO, UNITED STATES OF AMERICA.

Inventor : MICHAEL HARRIS HASELKORN.

Application for Patent No. 346/Del/82 filed on 30th April, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A method of producing an aqueous magnesia slurry stable against setting for application to oriented silicon steel strip or sheet surfaces wherein inactive magnesia is suspended in water characterised by providing an aqueous slurry in which at least 25% by weight of the magnesia present therein is inactive and has a citric acid activity greater than 200 seconds, and providing in said slurry a phosphate-containing compound within the range of 2% to 25% by weight calculated as P₂O₅ based on the weight of total magnesia, said phosphate-containing compound being chosen from the group consisting of calcium phosphates, water soluble ammonium polyphosphate, aluminum phosphate, magnesium phosphates, phosphoric acid, and mixtures thereof.

Complete specification 24 pages.

CLASS : 40F

157997

Int. Cl. : C 01 b 17/54.

A BURNER CHAMBER FOR USE IN AN APPARATUS FOR PRODUCING SULPHUR DIOXIDE.

Applicant : BHUSHAN LAL MITTAL OF 12 AVAS VIKAS, CIVIL LINES, MORABAD-244 001, INDIA AN INDIAN NATIONAL.

Inventor : BHUSAN LAL MITTAL.

Application for Patent No. 348/Del/1982 filed on 6th May, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

19 Claims

A burner chamber for use in an apparatus for producing sulphur dioxide comprising a syphon tube or column disposed therein, the inlet of said syphon tube or column being adapted to receive molten sulphur, an inlet with said chamber for introduction of compressed air into said chamber known means for firing of said sulphur and an outlet with said chamber for the discharge of sulphur dioxide.

Compl. specn. 13 pages.

Drg. 1 sheet.

CLASS : 33D

157998

Int. Cl. : B 22d 39/00.

AN IMPROVED TUNDISH.

Applicant : SANSID POLBRO CHEMICALS (INDIA) PVT. LTD. OF PLOT NO. 170, SECTOR 24, FARIDABAD (HARYANA), INDIA. AN INDIAN COMPANY

Application for Patent No. 350/Del/1982 filed on 6th May, 1982.

Complete specification left on 19th July, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

An improved tundish comprising an outer metal casing, a permanent lining of a refractory material provided on the inner surface of said casing, an expandable lining exposed to the molten metal characterised in that a layer consisting of a mixture of flyash, kiln brick, vermiculite or calcined rice husk is disposed between said permanent lining of refractory material and expandable lining exposed to the molten metal.

Provisional specification 6 pages.

Complete specification 6 pages.

CLASS : 80 C

157999

Int. Cl. : B 01d 25/02 and 29/00.

FILTER ELEMENT FOR MOUNTING IN A PRESSURE FILTER CONTAINER.

Applicant : DR. M. DR. MULLER AG., A SWISS COMPANY OF ALTE LANDSTRASS 421 8708 MANNEDORF, SWITZERLAND.

Inventors : Dr M, Dr. MULLER AG. AND DR. ING. HANS MULLER.

Application for Patent No. 400/Del/82 filed on 27th May, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

Filter element for mounting in a pressure filter container comprising a support body, a filter web located across said support body, the support body having a bundle of tubes, each of said tubes in said bundle having circular diameter and slits in their walls, said bundle of tubes being disposed about a central tube and said central tube having no perforations on its walls.

Compl. specn. 7 pages.

Drg. 1 sheet.

CLASS : 134 D

158000

Int. Cl. : B 62d 7/00.

ANTITHEFT STEERING LOCK DEVICE FOR MOTOR VEHICLES.

Applicant : PIAGGIO & C. S.p.A., A COMPANY ORGANIZED UNDER LAW OF THE ITALIAN REPUBLIC OF VIA A. CECCHI, 6 GENOVA, ITALY.

Inventor : BRUNO GADDI.

Application for Patent No. 481/Del/1982 filed on 28th June, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A steering lock device for motor vehicles, comprising a locking element for the steering head tube (1) in the form of a sleeve (3) mounted rotatably and coaxially with the rotary motion (5) of the lock which is actuated by ignition key (7) and with the switch assembly (10) in a box (4) integral with the supporting member for the head tube,

said sleeve being connected in its rotary motion to said rotary portion of the lock and of the switch assembly and being positionable in predetermined angular positions in which it interfered with the head tube so as to prevent the rotation thereof while permitting the rotation of the head tube in all the other angular positions.

Compl. specn. 8 pages.

Drg. 1 sheet.

CLASS : 32-E

158001

Int. Cl. : C 08 f 3/00, 47/00.

PROCESS AND DEVICE FOR THE PREPARATION OF POLYMER MELTS WHICH ARE SUBSTANTIALLY FREE OF VOLATILE COMPONENTS.

Applicant : STAMICARBON B.V., OF P.O. BOX 10, 6160 MC GELFEN, THE NETHERLANDS.

Inventors : 1. ALBERT JOHAN HERMAN BRASZ, 2. NICOLAAS PIETER NAGTZAAM, 3. CORNELIS BRONKE.

Application No. 756/Cal/82 filed June 28, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

14 Claims

Process for the preparation of polymer melts substantially free of volatile components, of polyalkenes with a melt index lower than 4, by processing of melts containing volatile components in a cooled degasification extruder wherein the polyalkene, at a content of volatile components of less than 10%, is treated in one or more sections with a kneading zone with pressure buildup and a degasification zone at reduced pressure, the process being characterized in that the kneading zone(s) is (are) intensely cooled with a liquid of at most 100°C and the degasification zone(s) is (are) heat-exchanged with a liquid of at least 110°C.

Compl. specn. 15 pages.

Drg. 1 sheet.

CLASS : 93

158002

Int. Cl. : B 22 d 23/08.

METHOD OF AND APPARATUS FOR PRODUCING GRANULES FROM MELTS.

Applicants : (1) VSESOJUZYNY NAUCHNO-ISSLEDOVATELSKY I PROEKTNY INSTITUT TITANA, OF ZAPOROZHIE, PROSPEKT LENINA, 180, USSR; (2) ZAPOROZHISKY TITANO-MAGNIEVY KOMBINAT, OF ZAPOROZHIE, USSR.

Inventors : 1. ALESANDR PAVLOVICH PETROV, BORIS PETROVICH TITOMER, 3. PAVEL NIKOLAEVICH GAIKIN, 4. ANATOLY NIKOLAEVICH PETRUNKO, 5. IVAN ROMANOVICH SEREBRYANIK, 6. VALERY PETROVICH PECHENENKIN, 7. MARK ILICH MILOSLAVSKY, 8. VLADIMIR ALEXANDROVICH SADOK, 9. ZINAIDA SEMENOVNA BOIKO, 10. VIKTOR SEMENOVICH DEGTYAREV, 11. LEONID ALEXEEVICH TKACHUK.

Application No. 893/Cal/82 filed July 30, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A method of producing granules from melts which comprises the steps of centrifugally atomizing a jet of melt into droplets forming a directed flow of droplets, cooling and crystallizing the mass of droplets into granules in a cooling atmosphere produced by an atomized coolant, the coolant

being additionally directed onto the jet of melt before the latter is atomized into droplets, or into the place where the jet of melt is atomized into droplets, or simultaneously onto the jet of melt into droplets and into the place where the jet of melt is atomized into droplets.

Compl. specn. 22 pages.

Drg. 4 sheets.

CLASS : 85-K

158003

Int. Cl. : F 27 b 15/10.

HEARTH FOR FLUIDISED-BED TREATMENT OF A FUEL.

Applicant : CHARBONNAGES DE FRANCE, OF 9 AVENUE PERCIER, 75008 PARIS, FRANCE.

Inventors : 1. ERNEST JOSEPH LOUIS SERGE DELESSARD, 2. ROGER MARCEL PUFF, 3. JEAN-CLAUDE KITA, 4. ANGE VIRGILIO.

Application No. 76/Cal/83 filed January 20, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

Hearth for the fluidised-bed treatment of a fuel such as herein described consisting of solid particles comprising an upper means (20-19) for supplying the said hearth, a fixed lower grid (1) for blowing the fluidisation and treatment gas, having gas passage channels, means for discharging the treated fuel, located above the grid, characterized in that the fluidisation and treatment gas is supplied as a result of the combination of a first circuit (22, 23, 8) comprising a main pipe (8) connected to some outlets of the grid (1) and a second circuit (24, 25, 15) comprising a secondary pipe (15) connected to some other outlets of the grid (1), said circuit being separated from one another and having their own gas-supply source (22, 24).

Compl. specn. 23 pages.

Drg. 4 sheets.

CLASS : 98-I

158004

Int. Cl. : H 011 15/02.

THREE-TERMINAL TERNARY III-V MULTICOLOR SOLAR CELLS AND PROCESS OF FABRICATION.

Applicant : CHEVRON RESEARCH COMPANY, OF 525 MARKET STREET, SAN FRANCISCO, CALIFORNIA, UNITED STATES OF AMERICA.

Inventor : 1. LEWIS MARTIN FRAAS.

Application No. 234/Cal/83 filed February 25, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

22 Claims

A multicolor solar cells comprising :

a conductive substrate;

a layer of GaAs_{1-y}Sb_y having regions of differing conductivity forming a homojunction therein contacting said substrate and lattice matching the substrate to within about $\pm 1\%$;

a shorting junction layer contacting the surface of said GaAsSb layer opposite to the surface contacting said substrate;

a layer of GaAs_{1-x}P_x having a larger bandgap than said

GaAsSb layer, said semiconductor layer contacting the surface of said shoring layer opposite to said surface contacting said GaAsSb layer; and

means for forming an electrical contact to said layers to withdraw photogenerated current therefrom.

Compl. specn. 28 pages.

Drg. 3 sheets.

CLASS : 32-B; 40-F

158005

Int. Cl. : B01j 1/00.

A PRESSURE SWING ADSORPTION PROCESS CONDUCTED IN A PLURALITY OF CYCLICALLY INTERCHANGEABLE ADSORBERS.

Applicants : LINDE AKTIENGESELLSCHAFT, OF ABRAHAM LINCOLN-STRASSE 21, D-6200 WIESBADEN, FEDERAL REPUBLIC OF GERMANY AND CHEMISCHE WERKE HULS AKTIENGESELLSCHAFT, OF 4370 MARL 1, KREIS RECKLINGHAUSEN, GERMANY.

Inventor : 1. CHRISTIAN BENKMANN.

Application No. 786/Cal/83 filed June 23, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

A pressure swing adsorption process conducted in a plurality of cyclically interchangeable adsorbers for recovering a normal gaseous hydrocarbon from a gaseous feed stream containing hydrocarbons and less than 15% by volume of oxygen, characterized by the steps in a cycle of :

- during an adsorption phase, conducting the gaseous feed stream under superatmospheric pressure into an adsorber and selectively adsorbing the hydrocarbon to be covered;
- during the adsorption phase and during at least one cocurrent expansion phase following the adsorption phase, withdrawing a gaseous stream, at the outlet end of an adsorber, which stream is depleted in the hydrocarbon to be recovered;
- during a subsequent countercurrent expansion phase of desorption, withdrawing a stream enriched in the desorbed hydrocarbon to be recovered from the inlet end of the adsorber;
- after the desorption in step (c), conducting a pressure buildup phase by repressurizing the adsorber to the adsorption pressure with a gas containing less than 15% by volume of oxygen, and then repeating the cycle.

Compl. Specn. 17 pages.

Drg. 1 sheet.

CLASS : 33-D

158006

Int. Cl. : B22d 45/00.

SEALING ARRANGEMENT ON LOCKING BODIES.

Applicant : STOPING AKTIENGESELLSCHAFT, ZUGERSTR. 16a, CH-6340 BAAR, SWITZERLAND.

Inventors : 1. DR. KARL-OTTO HORNUNG, 2. OTTO KAGI.

Application No. 1112/Cal/83 filed September 12, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2—197GI/86

11 Claims

Sealing arrangements on locking mechanism, preferably plate shaped and sliding against each other for the purpose of shedding or spilling of molten metal specially light metal smeltings, produced by continuous mutual sliding between at least one locking body (12, 22) abrasive on its sliding surface (9) and a locking body (14, 14') staying in sliding contact and is abrasive resistant, with simultaneous striking of the locking body with smelting (3) during the build up of a mixture (20) of abrasive —A and metal particles (M) between the locking bodies, which settle themselves in the sliding surface (9) of the abrasive locking body (12, 22), through the cavities (19, 19) built through wear and tear, essentially in the form of small grooves and in the direction of shifting (sliding).

Compl. specn. 18 pages.

Drg. 2 sheets.

CLASS : 145-B && D

158007

Int. Cl. : D21f 5/00.

MECHANISM FOR DRYING A TRAVELLING WEB IN A DRYER DRUM USED IN PAPER MAKING MACHINE.

Applicant : BELOIT CORPORATION, P.O. BOX 350 BELOIT, WISCONSIN, UNITED STATES OF AMERICA.

Inventors : 1. RONALD D. COOKE, 2. NELL A. LAAGE.

Application No. 1131/Cal/83 filed September 15, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A mechanism for drying a traveling web characterized in comprising in combination :

- a hollow cylindrical dryer drum having an inner surface against which condensate collects and being rotatably supported on stationary frame means;
- a syphon tube extending into an end of the drum with an internal portion having a head adjacent the inner surface of the drum for collecting condensate and having an external portion for receiving the collected condensate;
- a rotary steam seal through which the tube extends accommodating rotation of the drum without leakage of steam past the tube; and
- a pivotal mount for the tube on said frame means externally of the drum and an adjustment member for adjusting the angular position of the tube on said mount and thereby adjusting the spacing between the head end and the inner surface of the drum.

Compl. specn. 9 pages.

Drg. 1 sheet.

CLASS : 179-F

158008

Int. Cl. : B65d 55/12.

IMPROVEMENTS IN TAMPER-RESISTANT CONTAINER ASSEMBLY.

Applicant : JOHNSON & JORGENSEN (PLASTICS) LIMITED, GRINSTEAD ROAD, LONDON, SE8 5AB.

Inventors : 1. RICHARD J. SEARLE, 2. KEVIN W. McLAREN, 3. EUGENE E. DAVIS.

Application No. 1274/Cal/83 filed October 13, 1983.

Convention dated 15th July, 1983 (83 19263) United Kingdom.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A tamper-resistant screw cap and container body assembly wherein the cap is connected to a safety band which can turn with the cap when the cap is being screwed on to the container body but which is held against turning when the cap is being screwed off, by the engagement of discontinuous ratchet-shaped inner beads on the cap with discontinuous ratchet-shaped outer beads on the container body.

Compl. specn. 9 pages.

Drg. 3 sheets.

CLASS : 33-D & F

158009

Int. Cl. : B 22 d 7/06.

IMPROVED BOTTOM BLOCK FOR THE VERTICAL DC OR EM CASTING OF LARGE ELONGATED INGOTS OR BILLETS.

Applicant : KAISER ALUMINUM & CHEMICAL CORPORATION, OF 300 LAKESIDE DRIVE, OAKLAND CALIFORNIA 94643, UNITED STATES OF AMERICA.

Inventor : 1. DAVID GEORGE GOODRICH.

Application No. 1360/Cal/83 filed November 5, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

An improved bottom block for the vertical DC or EM casting of larger elongated ingots or billets wherein the bottom block is provided a dish shaped upper surface and a plurality of drain holes for removing coolant which collects on the dish shaped upper surface during casting, the improvement comprising recesses provided in the dish shaped upper surface which are associated with the upper portion of at least two drain holes, said recesses radiating inwardly toward the central portion of the bottom block and having a lower surface inclined upwardly toward the central portion of the bottom block, and said recesses adapted to receive molten metal at the start of the casting process which solidifies and thereby forms appendages on the ingot butt which have essentially the same shape as the recesses and which slide up the inclined surfaces of the recesses when the butt of the ingot shrinks and curls due to solidification and cooling, thereby stably supporting the ingot on the bottom block and preventing or minimizing ingot movement on the bottom block, the bottom of said recesses being provided with means which allow for the passage of coolant but prevent the passage of molten metal.

Compl. specn. 10 pages.

Drg. 2 sheets.

CLASS : 33-A

158010

Int. Cl. : B 22 d 19/00, 23/04;

H 01 g 13/04.

METHOD AND APPARATUS FOR CASTING AROUND METAL BODIES.

Applicant : VOLTA-WERKE ELEKTRICITÄTS-GmbH, OF ORANIENDAMM 64, D-1000 BERLIN 28, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. WILLI SCHAICH.

Application No. 1593/Cal/83 filed December 27, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

Process for casting around metal bodies, in particular coils of transformers, with soaking, impregnating- or casting-resins in a closed casting mould (10) containing the metal bodies whereby preparation of the casting material is carried out in a vacuum in a supply vessel (1) and whereby the casting mould (10) is evacuated before being filled with casting material, characterised in that :

the casting material driven by a pump (12) is pressed into the casting mould (10) from the bottom through a releasable supply line (23) that is sealed in vacuum-tight manner,

in that the casting mould (10) and metal bodies are washed by the casting material, and casting material emerging out of a riser on the casting mould (10) flows back into the supply vessel (1) through a return line (24) that is also sealed in vacuum-tight manner,

in that the returning casting material in the vacuum of the supply vessel (1) is drawn out to form a thin film before falling back into the casting material supply (11), in that for each casting process a multiple of the filling amount of the casting material necessary for a casting flows through the casting mould (10) so that when the casting mould washing is concluded, the casting material film in the supply vessel (1) is bubble-free and in that the filled casting mould (10) is disconnected from the supply line (23) and the return line (24) while the casting material sets.

Compl. specn. 13 pages.

Drg. 1 sheet.

CLASS : 70-B, C4

158011

Int. Cl. : B 01 k 3/06.

IMPROVEMENTS IN OR RELATING TO ELECTRODES FOR ELECTRO-CHEMICAL PROCESSES, WITH A SURFACE OXIDE FILM AND PROCESS OF MANUFACTURE.

Applicants & Inventors : COIMBATORE HANUMANTHA RAO KRISHNAMURTHI RAO & RAMASAMY SIVASUBRAMANIAN, MESSRS CHEMFAB, G-12, FIRST MAIN ROAD, AMBATTUR INDUSTRIAL ESTATE, MADRAS-600 058, TAMIL NADU.

Application No. 177/Mas/82 filed September 23, 1982.

Complete specification left : September 20, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

20 Claims. No drawing.

A process for the manufacture of an electrode for use in electrochemical processes consisting of a support base of valve metals like titanium, tantalum, zirconium, with an active electrocatalytic surface, consisting of oxides of precious metals like ruthenium, Iridium Rhodium and valve metal oxide, as a thin film, produced as an integral surface film of oxide of the valve metal base incorporating therein a precious metal group metal or compound thereof as electrocatalyst formed by applying to the surface of the valve metal a coating of minimum of one layer of dilute chelate solution containing at least one thermally decomposable precious metal compound, drying and heating in an atmosphere of air in a similar procedure adopted for the conventional thicker mixed crystal electrocatalyst coatings wherein the said dilute chelate solution contains an agent like hydrochloric acid which reacts with valve metal base and converts into ions which on heating is converted into a film of oxide or compound, the concentration of the precious metal compound(s) and the concentration of the said agent in the dilute chelate solution and the number

of layer of coatings will be such that, during heating after each coating including the final coating the electrocatalyst produced is incorporated completely in the integral surface film of the valve metal compound formed from the base.

An electrode for use in electrochemical processes consisting of a support base of valve metals like Titanium, Tantalum, Zirconium with an active electrocatalytic surface consisting of oxides of precious metals like Ruthenium, Iridium Rhodium and valve metal oxide as a thin film produced as an integral surface film of oxide of the valve metal base incorporating therein a precious metal group metal or compound thereof as electrocatalyst formed by applying to the surface of a valve metal a coating of minimum of one layer of dilute chelate solution containing at least one thermally decomposable precious metal compound drying and heating in an atmosphere of air in a similar procedure adopted for the conventional thicker mixed crystal electrocatalyst coatings wherein the said dilute chelate solution contains an agent like hydrochloric acid which reacts with the valve metal base and converts into ions which on heating is converted into a film oxide or compound; the concentration of the precious metal compound(s) and the concentration of the said agent in dilute chelate solution and the number of layer of coatings will be in such that, during heating after each coating including the final coating the electrocatalyst produced is incorporated completely in the integral surface film of the valve metal compound formed from the base.

Prov. 22 pages;

Compl. specn. 28 pages.

CLASS : 17A₂, A₃ & 32-F₃(.)

158012

Int. Cl. : C 07 c 29/00 & C 12 f 1/00.

METHOD FOR MANUFACTURING ALCOHOL FROM CASHEW APPLE JUICE.

Applicants : (1) AUGUSTIN ANTONY, COLLEGE OF HORTICULTURE, VELLANIKKARA, KERALA & (2) KERALA AGRICULTURAL UNIVERSITY, VELLANIKKARA, TRICHUR, KERALA.

Inventor : AUGUSTIN ANTONY.

Application No. 195/Mas/82 filed October 18, 1982.

Complete Specification left October 19, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims. No drawing.

A method for manufacturing alcohol comprising extraction of juice from cashew apple, straining the juice, mixing the strained juice thoroughly with 0.4% by weight of gelatin till a scum is formed at the surface, transferring the mixture after filtration to fermentation vessel, adding 20 gms. of yeast, 20 gms. of potassium metabisulphite and 10 gms. of nutrient per 100 litres. of juice, said nutrient consisting 6 gms. of ammonium phosphate, 1 gm. each of calcium carbonate magnesium sulphate, zinc sulphate and ferrous sulphate and allowing fermentation to complete, thereafter distilling the fermented product to separate alcohol.

Prov. 5 pages;

Com. 5 pages.

CLASS : 17-A, A₃ & 32-F₃(.).

158013

Int. Cl. : C 07 c 29/00 & C 12 g 3/00.

METHOD FOR MANUFACTURING ALCOHOLIC BEVERAGES LIKE WINE FROM CASHEW APPLE JUICE.

Applicants : AUGUSTIN ANTONY, KERALA AGRICULTURAL DEVELOPMENT PROJECT, COLLEGE OF HORTICULTURE, VELLANIKKARA, KERALA & KERALA AGRICULTURAL UNIVERSITY, VELLANIKKARA, TRICHUR, KERALA.

Inventor : AUGUSTIN ANTONY.

Application No. 196/Mas/82 filed October 18, 1982.

Complete Specification left : October 19, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims. No drawing.

A method of manufacturing alcoholic beverages like wine comprising extraction of juice from cashew apple, straining the juice, adding polyvinyl pyrrolidone at the rate of 1.4 gms. per litre and mixing it thoroughly with the strained juice, adding 20 gms. of yeast, 20 gms. of potassium metabisulphite, 20 gms. of citric acid, 10 gms. of nutrient, and 10 kgs. of sugar per 100 litres of juice and the said nutrient consisting 6 gms. of ammonium phosphate and the remaining magnesium sulphate, zinc sulphate and ferrous sulphate and stirring the resultant product which is then allowed to ferment for 15 to 30 days, filtering the fermented product, and thereafter subjecting the filtrate to aging.

Prov. 5 pages;

Compl. specn. 5 pages.

CLASS : 117-A, C

158014

Int. Cl. : E 05 b 63/00.

A BOLT LOCK.

Applicant & Inventor : NEETHALA MITTU, 955/1, ZOO GARDEN ROAD, ITTIGEQU, MYSORE-570 010, KARNATAKA.

Application No. 217/Mas/82 filed November 8, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

A bolt lock comprising in combination :

- (a) a J-bolt having a bolt head at the end of its shorter arm, the longer arm having a central bore forming a seat for any known key of number operated locking means, said bore also being provided with a pair of transverse slots aligning with the said bore and in which slots the locking pins, latches and the like of the locking means are adapted to be engaged and disengaged when key or number operated means are operated manually;
- (b) a cylindrical or cone shaped lock nut having a central bore and a pair of mutually aligning transverse slots which are adapted to align with the said pair of transverse slots on J-bolt when said lock nut is fixed over the longer arm of the said J-bolt, wherein the locking pins of the said locking means work to dead lock the said lock nut to the J-bolt; and
- (c) complementary and mutually working screw threads are provided on the external surface of the longer arm of J-bolt and on the internal surface of the lock nut such that they complement with each other,

the arrangement being such that when said lock nut is threaded to said J-bolt the respective slots on lock nut and J-bolt align with each other and when said key or number operated locking means is manually operated in the usual manner, said locking pins work into said aligned slots and dead lock said lock nut to said J-bolt.

Compl. specn. 23 pages.

Drg. 5 sheets.

CLASS : 148-H

158015

Int. Cl. : G 03 c 5/00.

A METHOD OF PREPARING A VIEWING FRAME FOR VIEWING AN OPTICALLY THREE DIMENSIONAL PHOTOGRAPHIC IMAGE OF AN OBJECT AND A VIEWING FRAME WHENEVER PREPARED BY THE SAID METHOD.

Applicant : INDIAN INSTITUTE OF TECHNOLOGY, I.I.T. P.O., MADRAS-600 036, TAMIL NADU.

Inventors : (1) KARUPPANA GOUNDER BALASUBRAMANIAN, (2) NATARAJAN NITHIYANANDAM, (3) KANNAZUTHU PUTHANMADAM RAJAPPAN.

Application No. 227/Mas/82 filed November 20, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A method of preparing a viewing frame for viewing an optically three dimensional photographic image of an object comprising the steps of mounting photographs of the object of a plurality of zones thereof corresponding to an equal number of planes passing through the zones (excepting the photograph of the rearmost zone) on transparent plates, the photograph of the rearmost zone, however, being mounted on a transparent or opaque plate, and spacing the plates one behind the other, the spacing between the plates being proportional to the spacing between the planes, the photographs of the zones (excepting the photograph of the rearmost zone) being perforated or slit, the said spaced plates thus forming a viewing frame, wherein the images of the zones behind the first zone are visible through the perforations or slits as an optically three dimensional image of the object.

A viewing frame for viewing an optically three dimensional photographic image of an object whenever prepared by a method as claimed in any one of the preceding claims.

Compl. specn. 7 pages.

Drg. 1 sheet.

CLASS : 170-B

158016

Int. Cl. : C 11 d 13/00.

A PROCESS FOR THE MANUFACTURE OF AN IMPROVED LAUNDRY SOAP.

Applicant & Inventor : ISSAC STANLY, JOSHVAS INSTITUTE OF ENGLISH, PALLIPURAM P.O., TRIVANDRUM DISTRICT, KERALA-695 316.

Application No. 243/Mas/82 December 13, 1982.

Complete Specification left April 5, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

A process for the manufacture of an improved laundry soap comprising (a) preparing neat soap in a conventional manner, (b) charging melted neat soap of step (a) into a crutcher in the presence of known builder(s) to be crutched, the crutcher being kept hot, and (c) forming the finished soap in the form of bars or cakes of predetermined size and shape in a known manner, characterised in that a plurality of natural fibres is introduced into the soap prior to the formation of the finished soap.

Prov. 5 pages;

Compl. specn. 9 pages;

Drg. 2 sheets.

CLASS : 23-E+H & 99, A+E+F

158017

Int. Cl. : B 65 d 9/12, 11/18.

A COLLAPSIBLE CONTAINER.

Applicant & Inventor : DEVARAJ IAIN GUNAWANTHRAAJ AND THIRUVENGADAM RAMACHANDRAN, C/o SRI BALAJI ENTERPRISES, 134, PONDY ROAD, VALAVANUR-605 108, SOUTH ARCOT DISTRICT, TAMIL NADU.

Application No. 5/Mas/83 filed January 6, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

A collapsible container comprising a plurality of shaped rigid lateral members with recesses at the base, the lateral members abutting each other at their sides to form an enclosure, leaving an opening at the top and an opening at the base, adjacent lateral members being fastened together at their sides by means such as channels C and U-shaped pins; a shaped rigid base member for covering the opening at the base, the base member being insertable into said recesses.

Compl. specn. 7 pages;

Drg. 1 sheet.

CLASS : 53-E & 174-A+B

158018

Int. Cl. : F 16 f 13/00.

A SEAT SHOCK ABSORBER FOR A TWO WHEELED VEHICLE.

Applicant : TUBE INVESTMENTS OF INDIA LIMITED, 28, RAJAJI ROAD, MADRAS-600 001, TAMIL NADU.

Inventor : JESUDOS SELVARAJ.

Application No. 12/Mas/83 filed January 18, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

A seat shock absorber for a two wheeled vehicle comprising a seat pillar partly telescoping within a tube at one end thereof and keyed thereto to prevent relative rotational movement between the pillar and the tube; a spring wholly disposed within the tube, one end of the spring butting against the seat pillar; a tension adjuster partly disposed within the tube and threadedly engaged with the interior thereof, the other end of the spring butting against the tension adjuster, whereby the tension of the spring is adjusted by threadedly moving the adjuster to and fro within the tube, such that with the tube inserted into the seat mounting of the vehicle and the seat fixed to the seat pillar the shock-load on the seat, caused by the movement of the body of the rider thereon, is damped by the combined action of the seat pillar, spring and the tension adjuster.

Compl. specn. 6 pages.

Drg. 1 sheet.

CLASS : 70-C4

158019

Int. Cl. : B 01 k 1/00.

A CONTINUOUS PROCESS FOR THE PURIFICATION OF COOLING TOWER BLOWDOWN WATER OR OTHER EFFLUENT CONTAINING HEXAVALENT CHROMIUM.

Applicant : SOUTHERN PETROCHEMICAL INDUSTRIES CORPORATION LIMITED, 97, MOUNT ROAD, MADRAS-600 032, TAMIL NADU.

Inventors : (1) SILAIPILLAIYARPUTHUR RAMACHANDRAN RAMAKRISHNAN, (2) GURUNATHAN, SUBRAMANIAN.

Application No. 18/Mas/83 filed January 24, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims. No drawing.

A continuous process for the purification of cooling tower blowdown water or other effluent containing hexavalent chromium comprising the steps of passing the effluent through an electrochemical reactor containing a bipolar or monopolar stack of electrodes; applying a voltage of 0.8 Volts to 50 Volts per cell of the reactor under a current density of 1.5×10^{-8} amp/cm² to 200×10^{-8} amp/cm², to reduce the hexavalent chromium in the effluent to insoluble trivalent chromium in sludge form, and allowing the said sludge to settle in stay ponds for separating the same from the effluent.

Compl. specn. 6 pages.

CLASS : 147-C+E

158020

Int. Cl. : G 11 b 3/58.

A DEVICE FOR CLEANING THE CAPSTAN AND PINCH ROLLER OF A TAPE RECORDER.

Applicant & Inventor : ZARIR MINOO BHARUCHA, OF 7-C, GULMOHUR APARTMENT, NO. 9, CONVENT ROAD, BANGALORE, KARNATAKA.

Application No. 34/Mas/83 filed February 9, 1983.

Complete Specification left June 22, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A device for cleaning the capstan and pinch roller of a tape recorder comprising a cassette shell having at least one guideway directed towards the region where the capstan and the pinch roller are located, the pinch roller projecting outwardly from the tape recorder whenever the shell is inserted into the tape recorder and the play-switch operated; a plurality of wedge tipped cleaning plugs disposed in file formation within the guideway, the foremost plug being held in place by snap-in-position engagement with the sides of the guideway such that the tip thereof is urged against the capstan and pinch roller to clean the same, the foremost plug being ejected from the guideway by pressing the last plug in the file down the guideway, to enable the second plug in the file to occupy the position last held by the ejected plug.

Prov. 6 pages.

Compl. specn. 8 pages.

Drg. 1 sheet.

CLASS : 40-F; 206-E

158021

Int. Cl. : B 01 j 17/28, 17/40.

PROCESS FOR PRODUCING IMPROVED PHOTO-RESPONSIVE AMORPHOUS SEMICONDUCTORS.

Applicant : ENERGY CONVERSION DEVICES, INC., OF 1675 WEST MAPLE ROAD, TROY, MICHIGAN-48084, UNITED STATES OF AMERICA.

Inventors : 1. JOACHIM DOEHLER, 2. RAPHAEL TSU, 3. STANFORD R. OVSHINSKY, 4. ARUN MADAN.

Application No. 170/Cal/82 filed February 12, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A method of producing an improved photoresponsive amorphous semiconductor comprising the steps of depositing a layer of silicon and incorporating in said silicon :

- a dopant element of the kind such as herein described in order to establish the conductivity type of said semiconductor,
- at least one density of states reducing element of the kind such as herein described in order to reduce the number of defect states in said semiconductor, and
- a band gap increasing element selected from nitrogen or carbon in order to increase the band gap energy of said semiconductor.

Compl. specn. 52 pages.

Drg. 10 sheets.

CLASS : 97-A

158022

Int. Cl. : H 05 b 7/12, 7/18.

APPARATUS FOR CHARGING AN ELECTRIC SMELTING OR REDUCTION FURNACE WITH CHARGE MATERIAL.

Applicant : ELKEM, A/S, OF MIDDELTHUNSGATE 27, OSLO 3, NORWAY.

Inventor : 1. KNUT EVENSEN.

Application No. 1169/Cal/82 filed April 27, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

Apparatus for charging an electric smelting or reduction furnace with charge material for smelting or reducing, the furnace having a furnace pot to be charged and a furnace roof or smoke hood above the furnace pot, the apparatus being characterized by a charging tube disposed above the furnace pot and extending downwardly with respect thereto so as to enable feeding of said charge material through the tube and through an aligned aperture in the furnace roof or smoke hood into the furnace pot, at least the lower section of the charging tube being mounted for movement longitudinally relative to the furnace roof or smoke hood between a raised position in which it can receive charge material and a lowered position in which it projects through the said aperture and below the furnace roof or smoke hood for delivering charge material through at least one discharge opening in the charging tube into the furnace pot means known per se for sealing between the lower section of the charging tube and the furnace roof or smoke hood, and means known per se for effecting said movement.

Compl. specn. 14 pages.

Drg. 1 sheet.

CLASS : 28-C

158023

Int. Cl. : F 23 c 1/00, 1/10.

OIL-AND COAL-FIRED IGNITION BURNER.

Applicant : RHEINISCH-WESTFALISCHES ELEKTRI-ZITATSWERK AG., OF KRUPPSTRASSE 5, 4300 ESSEN 1, WEST GERMANY.

Inventors : 1. KARK VOIGT, 2. JURGEN KAMM, 3. NORBERT JOHN.

Application No. 1004/Cal/82 filed August 28, 1982.

CLASS : 152-E

158025

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

Int. Cl. : B 29 d 27/00; C 08 f 29/00.

7 Claims

A coal and oil-fired burner comprising :

a burner housing defining a cylindrical chamber centered on an axis and having axially oppositely opening upstream and downstream ends;

means for feeding air to the upstream chamber end and thence axially downstream through the chamber;

an oil-burner nozzle suspended in the chamber at the axis and between the chamber ends;

means for feeding fuel oil to the oil nozzle for forming an oil spray extending downstream therefrom;

a tubular powder nozzle extending along and centered on the axis in the chamber between the oil-burner nozzle and the upstream chamber end and having an outlet opening downstream and centered on the axis; and

means for feeding combustible powder and air to the powder nozzle and for forcing an annular stream of same axially downstream from the nozzle outlet and wherein the oil-burner nozzle lies in the inner stream.

Compl. specn. 12 pages.

Drg. 2 sheets.

CLASS : 85-K; 176-G & M; 177-D & F

158024

Int. Cl. : F 22 b 1/24; F 27 b 15/14;
F 22 g 5/18.

A FLUIDIZED BED FURNACE.

Applicant : COMBUSTION ENGINEERING, INC., OF 1006 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

Inventor : 1. RICHARD EDWARD WARWASZ.

Application No. 1112/Cal/82 filed September 25, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A fluidized bed furnace comprising a housing, a perforate grate means supported in said housing, a bed of particulate material including some combustible supported on the grate means, said grate means being divided into a plurality of segments, means for supplying air beneath the grate means independently to each segment, burner means for directing hot combustion gases into the air being supplied to said grate means, first evaporating surface imbedded in the particulate material above first segments of the grate means, super-heater surface imbedded in the particulate material above second segments of the grate means, reheater surface imbedded in the particulate material above third segments of the grate means, second evaporating surface in the form of vertical panels imbedded in the particulate material forming perforate walls separating the first evaporating surface the superheating surface, and the reheater surface, igniter combustion gases into the particulate material above fourth segments of the grate means, their being no heating surface whatsoever imbedded in the particulate material above the fourth segments, so that the furnace can be quickly started up or initially fired without causing damage to any of the heating surface.

Compl. specn. 7 pages.

Drg. 1 sheet.

METHOD OF MAKING A FOAM PRODUCT COMPRISING POLYVINYL CHLORIDE COMPOSITION.

Applicant : THE B.F. GOODRICH COMPANY, OF 277 PARK AVENUE, NEW YORK, NEW YORK 10017, UNITED STATES OF AMERICA.

Inventors : 1. SAMUEL DONALD NEHMEY, 2. JAMES WILLIAM SUMMERS.

Application No. 1114/Cal/82 filed September 25, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

Method of making a foam product comprising polyvinyl chloride composition consisting of chlorinated polyvinyl chloride resin having a glass transition temperature of at least 105°C and a chlorine content of at least 64.001 to 2 parts by weight of uncuring agent, as hereinbefore described, dispersed therein forming nuclei for the cells, and 1 to 30 parts by weight of a hard glassy processing aid selected from copolymers of a styrene and a nitrile containing 10 to 40% nitrile, having dilute solution viscosity greater than 1.5 and additionally 0.5 to 5 parts of a stabilizer as hereinbefore described, comprising the steps of feeding the said composition into an extruder, melting said composition as it is advanced through the extruder, injecting 5% to 50% of a blowing agent, as hereinbefore described, into said melted composition, mixing said composition and said blowing agent to more uniformly distribute said blowing agent in said composition, and then forcing said composition into a zone of lower pressure, as hereinbefore described, whereby said blowing agent expands to form the foam product in which at least 85% of the cells are closed cells, preponderance of the cells are less than 500 microns, its density is less than 5 lbs/ft³, and its thermal conductivity is less than 0.20, Btu/(hr) (ft²) (°F, in).

Compl. specn. 23 pages.

Drg. Nil.

CLASS : 180

158026

Int. Cl. : F 24 c 1/02, 13/00.

COMPACT STOVE USING COMMON FUELS.

Applicants : (1) FRED W. HOTTENROTH, 1740 INTERLACHEN STREET SEAL BEACH, CALIFORNIA, U.S.A. 90740.

(2) FRED W. HOTTENROTH III, 411 SOUTH COUNTRY HILL DRIVE ANAHEIM CALIFORNIA, U.S.A. 92807.

Application No. 1415/Cal/82 filed December 6, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A compact stove using common fuels which comprises :
a base;

a vertically oriented, heat conducting continuous wall (66) having an interior surface and exterior surface and externally surrounded by a second wall (71) said wall (66) having open top and bottom ends, at least a portion of the interior surface of said wall forming combustion chamber (20);

a grate (16) means located within said combustion chamber (20) proximal to said bottom;

a primary air supply means (48) located in said base below said combustion chamber, said bottom end of said wall (66) opening into said primary air supply means such that said air is capable of flowing from said primary air supply means through said open bottom end of said wall (66) into said combustion chamber (20);

a secondary air supply means (50) at least a portion of said secondary air supply means being located around said wall (66) said wall including a plurality of air passageways (86) between said secondary air supply means and said combustion chamber (20) such that air can flow within said secondary air supply means and contact said exterior surface of said wall (66) and be heated by heat conducted from said combustion chamber by said wall and flow through said passageways into said combustion chamber;

a heat conducting tube means (88) located through secondary air heat exchange chamber (72) for spraying water with the combustion chamber (20); water supply means (94) connected to supply water into the interior of said tube means.

Compl. specn. 23 pages.

Drg. 5 sheets.

CLASS : 84-B

158027

Int. Cl. : C 23 f 15/00; C 101 1/14,
1/18, 1/22.

A PROCESS FOR PREPARING CORROSION INHIBITING ADDITIVE COMPOSITION.

Applicant : THE LUBRIZOL CORPORATION, 29400 LAKELAND BOULEVARD, WICKLIFFE, OHIO 44092, U.S.A.

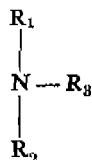
Inventor : 1. THOMAS ROBERT HOPKINS.

Application No. 79/Cal/83 filed January 20, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

A process for preparing corrosion inhibiting additive composition for use in alcohol and alcohol containing normally liquid hydrocarbonaceous petroleum distillate fuels comprising reacting at a temperature from 30 to 200°C (A) at least one straight-chain or branch-chain alkenyl substituted succinic anhydride or acid and (B) at least one amine of the formula :



wherein R_1 is a hydrocarbon based radical containing from 1 to 24 carbon atoms and R_2 and R_3 are independently hydrogen or hydrocarbon based radicals containing from 1 to 24 carbon atoms with the proviso that when R_2 and R_3 are both hydrogen, R_1 is a hydrocarbon based radical selected group consisting of tertiary alkyl radicals having from 4 to 24 carbon atoms, cycloalkyl radicals having from 5 to 7 carbon atoms, aryl radicals having from 6 to 14 carbon atoms, and alkaryl and arylalkyl radicals having from 7 to 20 carbon atoms.

Compl. specn. 19 pages.

Drg. 1 sheet.

CLASS : 190-B

158028

Int. Cl. : F 16 h 41/26.

STEAM TURBINE WITH AXIAL FLOW.

Applicant : KRAFTWERK UNION AKTIENGESELLSCHAFT, 433 MULHEIM (RUHR), WIESENSTR. 35, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. HERBERT KELLER.

Application No. 128/Cal/83 filed February 3, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

An axial flow steam turbine, especially of the double flow type comprising a shaft (5) around which there is a shaft screen (6), with an annular gap between the shaft and the shaft screen (6) wherein, in use of the steam turbine, a radial flow of steam is directed towards said shaft screen (6) and is diverted to produce an axial flow of steam for rotating the shaft, further comprising, in the path of the axial flow first, stationary guide vane rings having radially projecting guide vanes (7, 7'), wherein the shaft screen (6) is mounted on the inner ends of the guide vanes (7, 7'), characterized in that the shaft screen (6) is provided with nozzles (8) for discharging a portion of the said radial flow of steam in a tangential direction into the said annular gap (4).

Compl. specn. 11 pages.

Drg. 1 sheet.

CLASS : 152-E.

158029

Int. Cl. : C 08 f 1/00; 47/00.

AN IMPROVED PROCESS FOR PREPARING A REINFORCED CONDUCTIVE COMPONENT.

Applicant : AMERICAN CYANAMID COMPANY, AT WAYNE, NEW JERSEY, UNITED STATES OF AMERICA.

Inventors : 1. RICHARD SIMEON IWASKOW, 2. STEPHEN McDONALD CRUM.

Application No. 163/Cal/83 filed February 11, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims

An improved process for preparing a reinforced conductive component from a composition comprising :

intimately contacting a substantially non-conductive polymeric material and a conductive material characterized in that said conductive material is comprised of a composite fiber having an electrically conductive non-metallic or semi-metallic core and at least one thin, uniform and firmly adherent, electrically conductive layer of at least one electrodepositable metal on said core and wherein the amount of composite fiber is said composition is at least effective to render a high performance component made from said composition electrically and/or thermally conductive.

Compl. specn. 37 pages.

Drg. 2 sheets.

CLASS : 122

158030

Int. Cl. : B 03 c 1/02.

MAGNETIC SEPARATOR FOR SEPARATING FERROMAGNETIC PARTICLES FROM FLUIDS CONTAINING THEM.

Applicant : UKRAINSKY INSTITUT INZHENEROV VODNOGO KHOZYAISTVA, OF ROVNO, ULITSĀ LENINSKAYA, 11, USSR.

Inventors : 1. ALEXANDR VASILIEVICH SANDULYAK, 2. OLEG JURIEVICH KORKHOV, 3. VYACHESLAV IVANOVICH GARASCHENKO.

Application No. 581/Cal/83 filed May 9, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A magnetic separator comprising a flow-through working chamber accommodating therein ferromagnetic filterin packing and a casing comprising a magnetizing system with a magnetic core defining a closed magnetic circuit with the filterin packing, the system including means for disconnecting the magnetic field, at least a part of the magnetic core being made of a permanent magnet, while said means includes a series connection of a source of pulsed electric current, a unit for reversing the direction of the electric current and an electric coil of which the core is a portion of the core of the magnetic separator, the coil having the value of its amperaturns sufficient to produce, with the current fed through the coil, a magnetic flux of an intensity equal to the value of the coercive force of the permanent magnet.

Compl. specn. 9 pages.

Drg. 1 sheet.

OPPOSITION PROCEEDINGS

(1)

An opposition entered by Director General Research Designs & Standards Organisation to the grant of a Patent on application No. 149042 made by Fraz Plasser Bahnbaumaschinen Industrial Gesellschaft MBH as notified in the Gazette of India, Part-III, Section 2 dated the 3rd April, 1982 has been dismissed and ordered that a Patent to be sealed.

(2)

An opposition has been entered by M/s. Orissa Cement Limited to the grant of a Patent on application No. 156857 made by M/s. Flogutes Limited.

(3)

An opposition has been entered by Widia (India) Limited, Karnataka, to the grant of a Patent on application No. 157201 made by Shri Nand Kumar.

(4)

An opposition has been entered by National Council of Cement & Building Materials to the grant of a Patent on application No. 157354 made by Dr. Anil Krishna Kar.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

(1)

The claim made by Kubota Limited under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 150591 in their name has been allowed.

(2)

The claim made by W. L. Gore & Associates Inc. under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 154739 in their name has been allowed.

PATENTS SEALED

152790 153160 154857 155327 155341 155481 155588 155772
155773 155774 155775 155778 155779 155791 155792 155793
155794 155795 155796 155797 155804 155808 155809 155810
155812 155815 155816 155818 155828 155829 155834 156023
155166 156626 157098.

AMENDMENTS PROCEEDINGS UNDER SECTION 57

(1)

The amendments proposed by Hollingsworth (U.K.) Limited, in respect of Patent application No. 150622 as advertised in Part III, Section 2 of the Gazette of India dated the 28th December, 1985 have been allowed.

(2)

The Amendments proposed by BAU-UND FORSCH-UNGSGESELLSCHAFT THERMOFORM A.G. in respect of Patent application No. 153197 as advertisement in Part III, Section 2 of the Gazette of India dated the 14th December, 1985 has been allowed.

(3)

Notice is hereby given that Plessey Overseas Limited, a British Company, of Vicarage Lane, Ilford, Essex, England have made an application under section 57 of the Patents Act, 1970 for amendment of complete specification and drawings of their application for Patent No. 157457 for "Vehicle mounted doppler radar system". The amendments are by way of correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification, at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said.

REGISTRATION OF ASSIGNMENTS, LICENCES ETC.

(PATENTS)

Assignments, licence or other transactions effecting the interest of the original Patentees have been registered in the following cases. The number of each case is followed by the name of the parties claiming interest.

150792	ROHM and HASS Company.
151240	
134949	
134950	
134951	Indian Shaving Products Limited.
136137	
136138	
140728	Good Year Tire & Rubber Company.
144134	
145353	Atlas Cop Co A B
150899	Oronzio De Nora Impianti
150786	Elettrochimici S.p.A.
144620	Pas Engineering Industries Pvt Ltd.
142008	AO, Inc.
148219	Henry Wallenberg & Co. Aktiebolag.
148219	International Industrial Products.
153020	Ashok Metal Industries.
153021	
153620	White Consolidated Industries Inc.
149785	American Safety Razor Company.
142831	
139654	
141524	
144044	Midrex International B.V.
147336	
150938	
152255	
146186	
147311	Hajemeijer B.V.
150739	
154035	Midrex International B.V.

**STATEMENT REGARDING LICENCE AGREEMENT OF PATENTS REGISTERED UNDER SECTION 68 AND 69
FOR THE PERIOD OF APRIL 1986 TO JUNE, 1986**

From Foreigners to Indian

Patent Nos.	Patentee	Licence Granted To	Licence Granted On	Entry Made under Sec.	Entry Made On
1	2	3	4		5
134949	Gillette Company U.S.A.	Indian Shavings Products Limited Industrial Area Bhiwadi (Rajasthan) (India)	24th April, 1984	Sec. 68 & Sec. 69	3rd April, 1986
134950	-Do-	-Do-	-Do-	-Do-	-Do-
134951	-Do-	-Do-	-Do-	-Do-	-Do-
136137	-Do-	-Do-	-Do-	-Do-	-Do-
136138	-Do-	-Do-	-Do-	-Do-	-Do-
129064	Ireco Chemicals, U.S.A.	Indo Burma Petroleum Company Ltd., 18/20, Kasturba Gandhi Marg, New Delhi-1 (India)	10th March, 1983	Sec. 68 & Sec. 69	7th April, 1986
135181	-Do-	-Do-	-Do-	-Do-	-Do-
135182	-Do-	-Do-	-Do-	-Do-	-Do-
138627	-Do-	-Do-	-Do-	-Do-	-Do-
140456	-Do-	-Do-	-Do-	-Do-	-Do-
139388	-Do-	-Do-	-Do-	-Do-	-Do-
145385	-Do-	-Do-	-Do-	-Do-	-Do-
146907	-Do-	-Do-	-Do-	-Do-	-Do-
149882	-Do-	-Do-	-Do-	-Do-	-Do-

**STATEMENTS REGARDING ASSIGNMENTS OF PATENTS REGISTERED UNDER SECTIONS 68 AND 69 FOR THE
PERIOD OF APRIL 1986 TO JUNE, 1986**

From Indian to Indian

Patent Nos.	Patentee	Assigned to	Assigned on	Entry made under Section	Entry made on	Royalty
139957	Council of Scientific and Industrial Research, New Delhi, (India)	National Research Development Corporation of India.	5th Feb. 1986	Sec. 68	12th June, 1986	Re. 1/-
144003	-Do-	-Do-	-Do-	-Do-	-Do-	-Do-
149110	C.S.I.R., New Delhi	N.R.D.C., New Delhi.	15th April, 1986	Sec. 68	26th June, 1986	Re. 1/-
150816	C.S.I.R., New Delhi	N.R.D.C., New Delhi	21st April, 1986	Sec. 68	26th June, 1986	Re. 1/-
146004	C.S.I.R., New Delhi	N.R.D.C. New Delhi	1st March, 1986	Sec. 68	27th June, 1986	Re. 1/-

STATEMENT REGARDING LICENCE AGREEMENTS OF PATENTS REGISTERED UNDER SECTIONS 68 AND 69 FOR THE PERIOD OF APRIL 1986 TO JUNE 1986

From Indian to Indian

Patent Nos.	Patentee	Licence granted To	Licence granted On	Entry made under Sections	Entry made On
1	2		4	5	6
144620	Pulp & Paper Research Institute, Orissa (INDIA)	Pas Engineering Industries (P) Ltd., 55, Nehru Place, New Delhi.	6th January, 1984	Section 68 and Section 69	7th April, 1986

RENEWAL FEES PAID

138009 138127 138345 139043 139175 139668 140070 140163
 140248 140285 140768 140863 140936 140976 141017 141250
 141298 141782 142105 142107 142236 142357 142502 142626
 142852 142955 143055 143065 143072 143183 143190 143301
 143480 143482 143745 143746 143767 143806 143850 143876
 144006 144075 144117 144143 144264 144561 145065 145213
 145225 145441 145538 145575 145701 145757 145780 146049
 146057 146237 146238 146239 146240 146243 146259 146419
 146652 146663 146705 146789 146891 147029 147085 147132
 147245 147568 147753 147845 147903 147904 148139 148214
 148271 148330 148519 148657 148658 148748 149107 149109
 149249 149401 149470 149837 149922 149923 150042 150109
 150448 150449 150671 150797 151129 151286 151424 151465
 151488 151585 151595 151678 151724 151891 151950 152042
 152196 152233 152255 152269 152306 152318 152323 152383
 152738 152901 152916 153270 153503 153584 153595 153861
 153823 154072 154133 154169 154237 154235 154292 154334
 154411 154440 154478 154503 154534 154557 154665 154739
 154741 154758 154791 154888 154921 154924 154929 154930
 155024 155027 155028 155029 155063 155069 155132 155144
 155145 155149 155150 155154 155155 155156 155157 155177
 155249 155261 155262 155263 155277 155368 155410 155430
 155465 155475 155579 155581 155582 155587 155614 155625
 155658 155663.

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 139888 granted to Council of Scientific & Industrial Research for an invention relating to "a process for the preparation of a mixed catalyst for oxidising carbon monoxide at ambient temperature".

The Patent ceased on the 3rd April, 1983 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent will be notified in the Gazette of India, Part-III, Section 2, dated the 26th July, 1986.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 16th October, 1986 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 149241 granted to Brakes India Limited for an invention relating to "a pedal mechanism for a hydraulic brake system".

The Patent ceased on the 5th April, 1985 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part-III, Section 2, dated the 7th June, 1986.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 16th October, 1986 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he

bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 150239 granted to Etscheid India Private Ltd. for an invention relating to "improvements in or relating to milk cooling device."

The Patent ceased on the 19th March, 1985 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part-III, Section 2, dated the 22nd February, 1986.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 16th October, 1986 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 150594 granted to Kemco Chemicals for an invention relating to "a combination pack having the incense sticks/match sticks."

The Patent ceased on the 20th January, 1985 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part-III, Section 2, dated the 22nd February, 1986.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 16th October, 1986 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 153993 granted to Suhas Krishnaji Joshi for an invention relating to "a cock or tap for controlling flow of a liquid from a pipe or the like and a pipe or the like having the same."

The Patent ceased on the 1st February, 1986 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent was notified in the Gazette of India, Part-III, Section 2, dated the 22nd February, 1986.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 16th October, 1986 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

- Class 1. No. 156487. Opto International Limited, a British Company of Bayley Street, Stalybridge Cheshire, SK15 1QQ, United Kingdom. "a Set of Clamps". 31st December, 1985.
- Class 1. No. 156499. The Jay Engineering Works Ltd., 23, Kasturba Gandhi Marg, New Delhi-110001, Indian, an Indian Company. "Ceiling Fan". 3rd January, 1986.
- Class 3. No. 156377. Ashok Vir, of 7-1-216/A, Ameerpet, Hyderabad-500 016, Andhra Pradesh, India, an Indian national. "A Liquid Flow Control Device". 2nd December, 1985.
- Class 3. No. 156379. Crystal Plastics & Metallizing Private Limited, Sanghi House, Palkhi Galli, Off Veer Savarkar Marg, Prabhadevi, Bombay-400025, Maharashtra, India, a Private limited company incorporated under the Indian Companies Act. "Comb". 2nd December, 1985.
- Class 3. No. 156405. Crystal Plastics & Metallizing Private Limited, Sanghi House, Palkhi Galli, Off Veer Savarkar Marg, Prabhadevi, Bombay-400 025, Maharashtra, India, a Private limited company incorporated under the Indian Companies Act. "Comb". 5th December, 1985.
- Class 3. No. 156328. Toagoseikagaku Kogyo Kabushiki Kaisha (Toagosei Chemical Industry Co. Ltd.,) a corporation organised under the laws of Japan, located at 1-14-1 Nishi-Shinbashi, Minato-ku, Tokyo, Japan. "An Outer container for container for containing an inner container for liquid products and particularly for liquid adhesive". 22nd November, 1985.
- Class 3. Nos. 156329, 156330, 156331. Toagosei Kagaku Kogyo Kabushi ki Kaisha (Toagosei Chemical Industry Co. Ltd.,) a corporation organised under the laws of Japan, located at 1-14-1 Nishi-Shinbashi, Minato-ku, Tokyo, Japan. "a Container for liquid products and particularly for liquid adhesive". 22nd November, 1985.
- Class 3. Nos. 156994, 156995. Milton Plastics, a registered Indian artnership Firm, registered under the Indian Partnership Act, 1932, having Office at 202/203, 'Raheja Centre' 214, Nariman Point, Bombay-400 021, Maharashtra, India. "Flower Pot". 29th April, 1986.
- Class 3. No. 156386. Interlego A/S, a Danish Company, of Aastvej 1, DK-7190 Billund, Denmark. a "Toy merry-go-round". 4th December, 1985.
- Class 3. No. 156389. Interlego A/S, a Danish Company, of Aastvej 1, DK-7190 Billund, Denmark. "a Toy figure". 4th December, 1985.
- Class 3. No. 156388. Interlego A/S, a Danish Company, of Aastvej 1, DK-7190 Billund, Denmark. "a Toy fireplace". 4th December, 1985.
- Class 3. No. 156392. Interlego A/S, a Danish Company, of Aastvej 1, DK-7190 Billund, Denmark. "a Toy chair". 4th December, 1985.
- Class 3. No. 156397. Interlego A/S, a Danish Company, of Aastvej 1, DK-7190 Billund, Denmark. "a Toy Controy desk". 4th December, 1985.
- Class 3. No. 156383. Interlego A/S, a Danish Company, of Aastvej 1, DK-7190 Billund, Denmark. "a Toy interface Panel". 4th December, 1985.
- Class 3. Nos. 156384, 156385, 156387, 156393, 156394, 156395, 156396, 156398, 156399. Interlego A/S, Danish Company, of Aastvej 1, DK-7190 Billund, Denmark. "a Toy building element". 4th December, 1985.
- Class 4. No. 156567. M/s. D. C. Bhar (Sypam) an Indian Proprietary Firm of 4, Dutta Para Lane, Calcutta-700 006, West Bengal, India. "Container". 30th January, 1986.
- Class 12. No. 156531. Shaw Wallace & Company Limited, a Bank-shall, Street, Calcutta-700 001, West Bengal, India, a company registered under the Indian Companies Act, 1913. "Soap" 17th January, 1986.

R. A. ACHARYA
Controller General of Patents, Designs
and Trade Marks.

